

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0530480610](#)  
**Status:** **Active**  
**Overview:** [PicoBlade Connector System](#)  
**Description:** 1.25mm Pitch, PicoBlade PCB Header, Single Row, Right-Angle, Through Hole, Tin (Sn) Plating, Friction Lock, 6 Circuits, Tray, 2.30mm PC Tail Length

**Documents:**

|                                      |  |
|--------------------------------------|--|
| <a href="#">Drawing (PDF)</a>        | <a href="#">Product Specification 510211010-PS-000 (PDF)</a>     |
| <a href="#">2D Drawing DXF (PDF)</a> | <a href="#">Product Specification PS-51021-010-001 (PDF)</a>     |
| <a href="#">3D Model</a>             | <a href="#">Application Specification 510210000-AS-000 (PDF)</a> |
| <a href="#">2D Drawing (DXF)</a>     | <a href="#">Packaging Specification SPK-53048-001-001 (PDF)</a>  |
| <a href="#">3D Model (PDF)</a>       | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

UL E29179

**General**

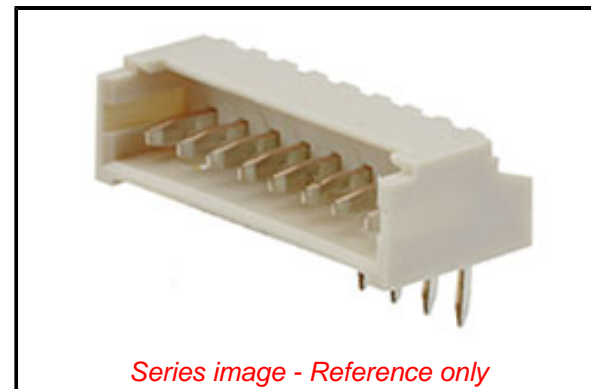
|                           |  |
|---------------------------|--|
| Product Family            | PCB Headers                                |
| Series                    | <a href="#">53048</a>                      |
| Application               | Signal, Wire-to-Board                      |
| Current Derating Order No | 987651-3691                                |
| Overview                  | <a href="#">PicoBlade Connector System</a> |
| Product Name              | PicoBlade                                  |
| UPC                       | 800753750203                               |

**Physical**

|                                |               |
|--------------------------------|---------------|
| Breakaway                      | No            |
| Circuits (Loaded)              | 6             |
| Circuits (maximum)             | 6             |
| Color - Resin                  | Natural       |
| Durability (mating cycles max) | 30            |
| First Mate / Last Break        | No            |
| Glow-Wire Capable              | No            |
| Guide to Mating Part           | No            |
| Keying to Mating Part          | None          |
| Lock to Mating Part            | Yes           |
| Mated Height                   | 3.50mm        |
| Material - Plating Mating      | Tin           |
| Material - Plating Termination | Tin           |
| Material - Resin               | Nylon         |
| Net Weight                     | 153.200/mg    |
| Number of Rows                 | 1             |
| Orientation                    | Right Angle   |
| PC Tail Length                 | 2.30mm        |
| PCB Locator                    | No            |
| PCB Retention                  | None          |
| PCB Thickness - Recommended    | 0.80mm        |
| Packaging Type                 | Tray          |
| Pitch - Mating Interface       | 1.25mm        |
| Polarized to PCB               | No            |
| Shrouded                       | Fully         |
| Stackable                      | No            |
| Temperature Range - Operating  | -40° to +85°C |
| Termination Interface: Style   | Through Hole  |

**Electrical**

Current - Maximum per Contact 1.0A



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[53048 Series](#)

**Mates With**

PicoBlade Housing [51021](#) <br>PicoBlade  
Cable Assembly [15134](#)

Voltage - Maximum

125V

**Material Info**

**Reference - Drawing Numbers**

Application Specification

510210000-AS-000

Packaging Specification

SPK-53048-001-001

Product Specification

510211010-PS-000, PS-51021-010-001

Sales Drawing

530480001-SD-000

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